

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11032460
PUBLICATION DATE : 02-02-99

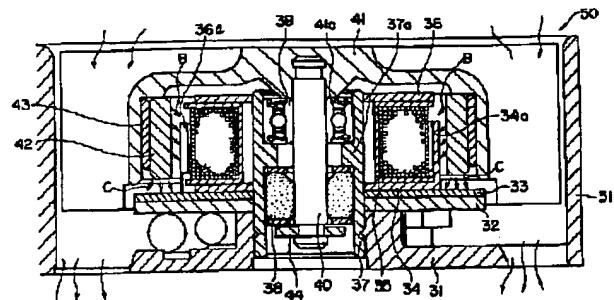
APPLICATION DATE : 10-07-97
APPLICATION NUMBER : 09185451

APPLICANT : COPAL CO LTD;

INVENTOR : HOSHINA TOMOAKI;

INT.CL. : H02K 7/08 H02K 5/167 H02K 21/22

TITLE : BRUSHLESS MOTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a brushless motor which can easily apply an appropriate pre-load to a ball bearing and has a long service life.

SOLUTION: A brushless motor 50 is constituted by arranging a coil 35 on a stator 34 side and a permanent magnet 42 on a rotor 41 side. In the motor 50, a bearing 39 which rotatably supports a rotor 41 and an attracting member 33 which is positioned below the stator 34 and composed of a magnetic material are provided, so that the attracting member 33 attracts the permanent magnet 42 on the rotor 41 side and the attracting force may apply a pre-load to the bearing 39.

COPYRIGHT: (C)1999,JPO